TECH SHOW GETTING READY FOR TUESDAY

Coach Reports Men in Fine Shape—Only Finishing Touches Necessary.

Final preparations are being made for the first performance of the Tech Show on the afternoon of the twentieth of April. A large number of seats have been sold, but most of the fifty and seventy-five cent seats for the Boston performances are still left. As all the seats in Shubert are exceptionally good, the management hopes to dispose of them before Monday afternoon.

Coach Sanger returned Wednesday after an absence of a few days, and found that the men are all ready for the extra hard work to be done Tuesday. From now on a complete rehearsal of the play will be held daily so that the coach can drill the men in the movements and affectations that were impossible to the nervous production.

Manager Whitwell left Thursday for a three-day's trip to make final preparations for the performance to be held at the Shubert. He will visit Springfield, South Hadley, Amherst and Northampton. As most of the Management Committee have already been sold, it appears that the Show will be well received there. In spite of its absence there is plenty of work.

Post cards, on which are reduced facsimiles of the poster, go on sale today. They may be obtained at the Cage, at the Show office, or from any of the men in charge of the Show management at five cents apiece.

PROM MONEY TUESDAY.

Subscriptions Due Not Later Than 1 O'clock, April 16.

That Junior Promenade subscription blanks were distributed Tuesday, April 15, was the statement issued by the Prom Committee. Any men whose subscriptions are late will have their names placed upon the waiting list and will not be admitted to the Prom only in case of a vacancy.

The committee has worked out a plan by which men will be greatly aided in finding their partners in the dance. The cards will be placed in conspicuous places about the hall, and a space will appear on the dance cards in which the place of meeting can be designated by letter.

CONCERT PROGRAMS AT I.

An error in the printer's calculations resulted in the distribution of the Yale concert programs, and a large number of disappointed men left the Union yesterday noon with no programs in their hands. The majority of the musical interests have been in communication with the concert committee about the dates of the programs, and will be distributed to the men presenting the cards which will be given them with their tickets.

Groundkeepers are working hard on the tennis courts and baseball field on the field, but the weather is against him.

ARCHITECTS HEAR TALK ON WOOLWORTH BLDG.

Mr. Shaffer Tells Option Two Men of Engineering Problems.

Before the Architectural Engineering Society, last night, Mr. Guy Shaffer, '10, gave a talk on the problems met in connection with the Woolworth Building, now being built in New York. Mr. Shaffer is an architectural engineer in the office of Mr. Cass Gilbert, '79, the architect of this, the newest of New York's skyscrapers, and he was able to give personal sidelights on the features of the engineering work. His talk was illustrated by numerous drawings and blue prints made for the building. The structure is practically planned to have a basement area of fifty by one hundred feet, but the final designs for the monumental buildings that it is now to be were brought about by the acquisition of the entire building piece of land. Colisons had to be built to a depth of about five hundred feet and thirty feet below the street level, necessitating air-tight circulars. For windows of the main building he was engaged to the twenty-eighth floor, and from there the bay leaving was used. One of the hardest problems met in connection was to get an open arcade for the architectural effect without the use of a porch brace through it.

The design of the elevator problem in a building of this kind determines the life of the building, said the speaker. The elevator was made spare, Mr. Woolworth, the owner, desires that he wanted an attention at the first floor that would stop the elevators in case of accidents. The pressure on the interior of the elevator shaft is from fifteen to twenty pounds per square inch. Mrs. Woolworth, the designer of the doors a difficult problem. The casing of the shaft is of concrete. It is estimated that it will take from three and one-half to four and a half minutes to reach the top of the tower, a height of fifty-seven floors.

The lighting of the building will be interesting of interest on the second floor as in the interior, the intention being to place lights just inside of the building. (Continued on Page 3, Col. 3)

TECHNOLOGY CLUB.

Mr. William Lyman Underwood Will Speak Tuesday.

The regular Ladies' Night of the Technology Club will be held at 8 o'clock Tuesday evening, April 16. Mr. William Lyman Underwood will entertain the members and their guests with some of his best stories of "Animal Life in the Woods," illustrated with lantern slides.

Mr. Underwood is one of the special lecturers in the Biological Department at the Museum of Comparative Zoology. He is also known as a popular speaker. He attended the University as a special student during the year 1898-99, and was president of the Technology Club that year.

During his term of office he gained national status at the club, and was loved unaffectedly by all. His talk next Tuesday promises to be as interesting as any that he has given in the past.

SOPHOMORES PLAY BEVERLY HIGHER SCHOOL.

The First Game of the Season This Afternoon Played at Beverly.

Sophomore baseball commences at 3 o'clock this afternoon, when the Tech team meets the meeting Beverly High aggregation at Beverly. This is the first game of the season for both teams, and comes after a period of practice interrupted by poor baseball weather. Because of this reason the players may appear erratic and slow, but the teams are evenly matched and the score should be close.

The Beverly team is made up of practically the same team with the exception of the pitcher, who played such fine ball last spring and is exceptionally strong for a high school team. While Beverly has had the advantage of practice on its home field nearly every day this season, the Tech team has had to resentment themselves with three days a week, and sometimes less. They had a team strong enough to defeat the Juniors last year, however, and Mannor Gardner expects to come out a winner in this afternoon. The manager announces that this does not mean a cut in the squad, and that all men now out are still eligible for positions in the team. The following players are to be ready for the 1.40 train for Beverly:

Rickle, catcher.
Swift and Harris, pitchers.
Reeves and Perly, first basemen.
Gardner, second base.
Ward, shortstop.
Douglas, third base.

BIOLOGICAL SOCIETY.

This afternoon the Biological Society will take a trip to the Buxton Institute at Perch Hill. The men met at 2:15 in the汜herholling Student Biological Department in Pierce. They will inspect the laboratories in which all the anti-toxins for the State Board of Health are made, and will hear an illustrated talk on the work by the director in charge. This is an excellent opportunity to visit the State laboratories, and as many members as possible are requested to make the trip.

ART MUSEUM LECTURES.

The Museum of Fine Arts calls the attention of Institute men to three lectures of interest which are to be given in the Museum Tuesday afternoon, Mr. William H. Kennedy will lecture at 3 o'clock on classical art, Mr. Bates will speak on the development of modern art, and Mr. Gardiner will lecture on the history of the Museum. The lectures will be illustrated by slides and will be presented in the Lecture Hall on "The Thirteen Colonies." The museum will later be closed until next Fall.

ANNUAL ELECTIONS OF C. E. SOCIETY.

Nominations Due Next Wednesday and Results Announced At Banquet.

The election of officers of the Civil Engineering Society will be held April 26, and the results will be announced at the annual dinner on May 1. The officers consist of a President, Vice-President, Secretary, Treasurer, Assistant Treasurer, and two members of the Executive Committee of five men, of which the President and Vice-President are ex-officio members, and a Program Committee of five men, of which the Vice-President is a member. The Juniors are given the most important offices and a control of the Executive Committee, while the seniors are eligible for the positions of Secretary, Assistant Treasurer and two members of the Program Committee. In this way the society is assured of being manned by men of experience, and at the same time the Sophomores are given a chance to become familiar with the work.

The ballots will be distributed shortly after Junior Hour, and must all be returned before 3 o'clock on the afternoon of April 25. The Secretary wishes the men to be as prompt as possible in turning them in.

Next Friday the B. A. A. will hold their annual twelve mile Marathon race over the Ashland-Boston course. The race will be the official straw for the selection of the America Marathon team to compete at the Olympic Games.

Brown defeated Bordwin, 5-4, in baseball yesterday.

The track men hope to see Wilson in shape soon.

CALENDAR.

In Charge of S. H. Taylor, 1911.

Saturday, April 13.
12.00—Classes Dismissed Until Monday.
1.40—Soph Baseball vs. Beverly.
2.00—Baseball-Tech Field.
4.00—Civil Engineering Society—Cellar Club.
8.00—Spring Concert—Copley Hall.
10.00—Inter-Sorority Meet—Tech Field.
10.00—ffa—Tech Field.
12.00—Classes Dismissed Until Monday.

Sunday, April 14.
1.30—Soph Baseball vs.–Beverly.
11.00—North Station—Civil Engineering Society.
2.15—Biological Society Trip—Pierce.
3.30—Inter-Sorority Meet—Tech Field.
3.30—Freshman Baseball—Escapes High—Franklin Field.
4.00—Civil Engineering Society—Cellar Club.
6.00—Group Dinner—Beverly.
7.30—Cheese Dismissed Until Monday.

Monday, April 15.
10.00—No Glee Club Rehearsal.
8.30—Tech-Berkeley Rehearsal—Tech Field.
10.00—Junior Promenade—Tech Field.
FAST TIMES EXPECTED AT THE FIELD TODAY

Large List of Entries—Close Competition Probable in Annual Meet.

The classes will again fight it out for athletic supremacy at the Field today and in the afternoons, and the Sophomores from their showing last Saturday in their meet with the Freshmen seem to have the best chance of getting the winning score. They will be in even better condition than last Saturday, because they will have the star country men to run in the distance events. The Juniors have a lot of good men who will, doubtless, take first and second places, and they may be able to avenge a victory. The Freshmen will push the Juniors hard for second place.

The dashes have the best entry list that has been made in some little time. If L. A. Wilson's leg is in shape he will probably win, but if he does not run there will probably be a close race between H. S. Whitman, '14, J. J. Grachan, '13, T. J. Barry, '12, J. O'Brien, '11, and J. Homan, '13. These men are also the best choice in the 88-yard.

The 220-yard should furnish another interesting race, with C. Gabriel, '14; B. Munch, '15; T. Huff, '14, and R. F. Curtis, '13, running. The race between Curtis and Huff is expected to be close, as these two men raced neck and neck last Saturday. Huff, who is a good athlete, fell after clearing the last hurdle.

CIVIL TEAM IN SHAPE.

Everyone Ready for Junior Week Game—Lineup Announced.

Under the guidance of Manager Raymond, the Civil fast ball team of the Institute is getting into the best of shape, and now looks good enough to take the Junior Week as its own. Nothing in the way of putting the railroaders into the best of shape and spirits, especially spirits, has been omitted. Yesterday two of the finest papers were turned out in the squad. Raymond and Charlopen, '14, who got as far as third, and will keep guard over the trophy. These men will serve as substitutes if any of the others are pressed with best before the end of the fifth inning.

The preliminary lineup and batting order is as follows: Harrington, shortstop; Reaney, left field; Sican, second base and pitcher; Raymond, player-manager, catcher; Yereance, first base; Jones, pitcher; Priest, right field; Wallis, third base; Richer, center field.

The lineups of both teams are as follows: Juniors: W. P. G. Whitman, '14, J. J. Grachan, '13, T. J. Barry, '12, J. O'Brien, '11, and J. Homan, '13. These men are also the best choice in the 88-yard. The 220-yard should furnish another interesting race, with C. Gabriel, '14; B. Munch, '15; T. Huff, '14, and R. F. Curtis, '13, running. The race between Curtis and Huff is expected to be close, as these two men raced neck and neck last Saturday. Huff, who is a good athlete, fell after clearing the last hurdle.

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The Freshman baseball team will play the English High nine this afternoon, at 3 o'clock, if the weather permits. The members will meet in the Dunton at 1 o'clock, and go from there out to Franklin Field, the only place available for the game.

The team has not yet picked but the men will probably fill the following places:

Hall, Paldry, catchers.
McDavit, Pulou, first base.
Sowry, second base.
Lewis, Griffin, Howlett, shortstop.
Franks, third baseman.
Morse, McNulty, Thomas, Rey, outfielders.

Bauer, McAtray, pitchers.

There was some good practice yesterday in spite of the rain, and the infield showed a decided improvement.

English High has a strong team, and this game, together with the practice next week, will put the Freshmen in good shape for the encounter with Winchester High April 28.

ARCHITECTS' MEETING.

(Continued from Page 1, Col. 2.)

crystal corollas of the building, and to use a search light in the tower.

Considerable attention must be paid to facilities for the handling and use of drawings. Shop drawings taken from the contractors of the trim work, the frame, the iron and steel details, terra cotta, copper, plumbing, heating, and the wiring work must be filed so as to be readily accessible. There are about four thousand drawings to catalog and file.

Mr. Shaffer said that it was his work to consult with the structural, heating and wiring engineers, and that none of them really understood the unity of the building. Their drawings were turned over to the architectural engineer as presumably correct, and he had to see whether they were right and corresponded with one another and with the scheme as a whole, and any final mistake was brought home to him. The number of changes in the contractor's plans so far has been in the hundreds, and each of them necessitates a delay.

As an example of the costliness of these delays, every week's delay in the completion date of the building meant a twelve thousand dollar loss to the owner. The value of the land itself is five million dollars, and the cost of the building upon it is from six to seven million dollars more, the interest of the entire contract at five per cent. being six hundred thousand dollars. The change in the estimate of the structure delayed the completion of the building one year, making an additional cost to the owner, Mr. Woolworth, of that amount.

TRIP TO NEW BUILDING.

Architectural Engineers See Excavation at Filene's.

Twenty members of the Architectural Engineering Society were, yesterday noon, shown over the partially finished new Filene Building on Washington street by Mr. Cummings, the general manager of the Wells Company, the contractors. The party included Professor Lawrence and Mr. Wheeler.

One of the features of the construction seen was the carrying on of the excavating work and the overhead work at the same time. Under each column on the first floor an open caisson has been sunk a distance of from sixty to seventy feet to hard gravel. The steel superstructure will be built on these caissons and the excavation of the three sub-basements is being carried on in coincidence with the erection of the steel frame work.
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